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OM nucleic - nucleic search, using sw model

Run on: December 8, 2001, 19:38:26 ; Search time 70.08 Seconds

(without alignments)  
12804.022 Million cell updates/sec

Title: US-08-153-397A-1  
Perfect score: 3962  
Sequence: 1.CGGGCCTGACACTGGGGTGA.....AAAAAAAAACGGGATT 3962

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

1: /cgn2\_6/ptodata/2/ina/5A\_COMB\_seq: \*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB\_seq: \*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB\_seq: \*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB\_seq: \*  
5: /cgn2\_6/ptodata/2/ina/7A\_COMB\_seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. No. 1s is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No. Score Query Length DB ID Description

1 3962 100.0 3962 1 US-08-336-343A-1 Sequence 1, Appli

2 3451 87.1 3637 1 US-08-445-640-3 Sequence 2, Appli

3 3451 87.1 3637 3 US-08-170-558-3 Sequence 3, Appli

4 3451 87.1 3637 3 US-08-447-314-3 Sequence 4, Appli

5 3451 87.1 3637 3 US-08-447-314-3 Sequence 5, Appli

6 1192.2 30.1 1197 1 US-08-445-640-7 Sequence 6, Appli

7 1192.2 30.1 1197 3 US-08-170-558-7 Sequence 7, Appli

8 1192.2 30.1 1197 3 US-08-447-314-7 Sequence 8, Appli

9 1192.2 30.1 1197 3 US-08-445-641-7 Sequence 9, Appli

10 642 15.7 1 US-08-336-343A-3 Sequence 10, Appli

11 642 16.2 3157 1 US-08-336-343A-5 Sequence 11, Appli

12 639.8 16.1 3120 1 US-08-456-678-19 Sequence 12, Appli

13 639.8 16.1 3120 2 US-08-237-401A-19 Sequence 13, Appli

14 182.2 4.6 2820 1 US-08-305A-4 Sequence 14, Appli

15 182.2 4.6 2820 2 US-08-441-104A-4 Sequence 15, Appli

16 182.2 4.6 2820 2 US-08-440-816A-4 Sequence 16, Appli

17 182.2 4.6 2820 4 US-09-447-381A-4 Sequence 17, Appli

18 180.6 4.6 2301 1 US-08-306-618-23 Sequence 18, Appli

19 180.6 4.6 2301 5 PCT-US93-06251-78 Sequence 19, Appli

20 180.6 4.6 3060 1 US-08-286-846A-1 Sequence 20, Appli

21 180.6 4.6 3060 2 US-08-441-104A-6 Sequence 21, Appli

22 180.6 4.6 3060 2 US-08-440-816A-6 Sequence 22, Appli

23 180.6 4.6 3060 4 US-09-447-381A-6 Sequence 23, Appli

24 180.6 4.6 3194 2 US-08-339-705B-1 Sequence 24, Appli

25 180.6 4.6 3194 2 US-08-286-846A-1 Sequence 25, Appli

26 180.6 4.6 3194 2 US-08-457-880s-1 Sequence 26, Appli

27 180.6 4.6 3194 3 US-08-444-622A-1 Sequence 27, Appli

RESULT 1  
US-08-336-343A-1  
Sequence 1, Application US/08336343A  
; Patent No. 567144

GENERAL INFORMATION:

APPLICANT: Ulrich, Axel  
APPLICANT: Alves, Frauke  
TITLE OF INVENTION: CCK-2, A No. 567144el Receptor Tyrosine Kinase  
NUMBER OF SEQUENCES: 43  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #11.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/336,343A  
FILING DATE: 08-Nov-1994  
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7883-055

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090  
TELEFAX: (212) 859-9741/8864  
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 3962 base pairs

TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: unknown  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: CDS  
; LOCATION: 321..3077

Query Match Local Similarity 100.0%; Score 3962; DB 1; Length 3962;  
Best Local Similarity 100.0%; Score 3962; DB 1; Length 3962;

Matches	3962;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	1	CGGCCGAGACTGGGCTGACTCGGGACTTA	AGAATCTCTGAGCTGAGGCCCCACAG	60					
Db	1	CGGCCGAGACTGGGCTGACTCGGGACTTA	AGAATCTCTGAGCTGAGGCCCCACAG	60					
Qy	61	CTGCTCTGGGAGCCGCTCCGACACCGAC	CCGGCCGGCCGGCCGGCCGGCTCCG	120					
Db	61	CTGCTCTGGGAGCCGCTCCGACACCGAC	CCGGCCGGCCGGCCGGCCGGCTCCG	120					
Qy	121	CGGCCTCTGCTCTCCCGACACCGAC	CCGGCCGGCCGGCCGGCCGGCTCCG	180					
Db	121	CGGCCTCTGCTCTCCCGACACCGAC	CCGGCCGGCCGGCCGGCCGGCTCCG	180					
Qy	181	CCGGCTCGGAGCCGCTCCGACACCGAC	CCGGCCGGCCGGCCGGCCGGCTCCG	180					
Db	181	CCGGCTCGGAGCCGCTCCGACACCGAC	CCGGCCGGCCGGCCGGCCGGCTCCG	180					
Qy	241	TCACCTAGGAGGGGGTGGACTTGAGGA	TGGAGGATGCGCCAGAGAGGAGGCT	300					
Db	241	TCACCTAGGAGGGGGTGGACTTGAGGA	TGGAGGATGCGCCAGAGAGGAGGCT	300					
Qy	301	GGCCGAGGGATGAGGATGAGGAGGCT	TGGAGGATGCGCCAGAGAGGAGGCT	360					
Db	301	GGCCGAGGGATGAGGATGAGGAGGCT	TGGAGGATGCGCCAGAGAGGAGGCT	360					
Qy	361	TGGGCAACTGGAGTGCTGACCTGAGGA	CTGAGCTTGATCCGCAACTGGCCTATG	420					
Db	361	TGGGCAACTGGAGTGCTGACCTGAGGA	CTGAGCTTGATCCGCAACTGGCCTATG	420					
Qy	421	CCCTGGCATCGGACGGACCCATCCAC	AGACATCTCTCTCAGCTCTGTG	480					
Db	421	CCCTGGCATCGGACGGACCCATCCAC	AGACATCTCTCTCAGCTCTGTG	480					
Qy	481	CAGATTCAGTCGCCGCCACAGCAGG	TGGAGCTGAGGGATGGGGATGGGCTGG	540					
Db	481	CAGATTCAGTCGCCGCCACAGCAGG	TGGAGCTGAGGGATGGGGATGGGCTGG	540					
Qy	541	GCCCGCAGSGTCGTCGTCAGGAGGA	TACTTGCGAGCTGAGCTAAGACGAC	600					
Db	541	GCCCGCAGSGTCGTCGTCAGGAGGA	TACTTGCGAGCTGAGCTAAGACGAC	600					
Qy	601	TCCACCTGGCTGGCTGGCGCTGGCG	CGACCCAGGGCGCTGGCGAGGAT	660					
Db	601	TCCACCTGGCTGGCTGGCGCTGGCG	CGACCCAGGGCGCTGGCGAGGAT	660					
Qy	661	TCTCCGGACTACCGCGCTGCTACT	CCCGGGTGGCGCTGGCGCTGGCGA	720					
Db	661	TCTCCGGACTACCGCGCTGCTACT	CCCGGGTGGCGCTGGCGCTGGCGA	720					
Qy	721	ACCCCTGGCTCAGAGCTGATCTAGG	GGAACTGGGACTCTGGGAGCTGAGG	780					
Db	721	ACCCCTGGCTCAGAGCTGATCTAGG	GGAACTGGGACTCTGGGAGCTGAGG	780					
Qy	781	ACCTGGGCCCCATGGCTGGCGACT	TGCTCTCTCGGACGGGTA	840					
Db	781	ACCTGGGCCCCATGGCTGGCGACT	TGCTCTCTCGGACGGGTA	840					
Qy	841	TGAGTGTCTCTCGGGTAGAGGCTAT	GGCTCTCTCGGACGGGTA	900					
Db	841	TGAGTGTCTCTCGGGTAGAGGCTAT	GGCTCTCTCGGACGGGTA	900					
Qy	901	ACACGGCCACTGGGGCAGACATGT	ATGTTATGTGAGCTGGGACTTA	960					
Db	901	ACACGGCCACTGGGGCAGACATGT	ATGTTATGTGAGCTGGGACTTA	960					
Qy	961	CCTTGACGACATACGGGGACTGAG	TGGGGCTGGGGCTGGGAGCTGGAG	1020					
Db	961	CCTTGACGACATACGGGGACTGAG	TGGGGCTGGGGCTGGGAGCTGGAG	1020					
Qy	1021	GTGGTGGGGCTGGAGTGA	TGGAGAGTGAAGAGTGAAGAGT	1080					
Db	1021	GTGGTGGGGCTGGAGTGAAGAGT	TGGAGAGTGAAGAGTGAAGAGT	1080					





Qy	1936	ACACCCAGGCCCTAQCAGTGGGACTATGAGGCCAGAGCCAGGGCCCTCTTCG	1995	Db	2759	ACGCGACCCCTTCCAGTCATCGGTCTGGAGGATGCAACAGG	2818
Db	1697	ACACCCAGGCCCTAQCAGTGGGACTATGAGGCCAGAGCCAGGGCCCTCTTCG	1756	Qy	3076	TGTATCACACATCCAGCAGGCCCTCTTCAGGAGGATCAGGAGTCACA	3135
Qy	1996	CCCCACCTCCCAGAACAGCGTCCCCATTATGCCAGGCTGAGATGTTACCTTC	2055	Db	2819	TGTATCACACATCCAGCAGGCCCTCCAGGAGGATCAGGAGTCACA	2878
Db	1757	CCCCACCTCCCAGAACAGCGTCCCCATTATGCCAGGCTGAGATGTTACCTTC	1816	Qy	3136	CTAACACAGGACACATGGACCTGCCCCTCCAGACAGCCATCACCT	3195
Qy	2056	GGTACCGGGGACACCTATGCTGCTGAGCTGCCCCAGGGCAGTGGGAG	2115	Db	2879	CTAACACAGGACACATGGACCTGCCCCTCCAGACAGCCATCACCT	2938
Db	1817	GGTACCGGGGACACCTATGCTGCTGAGCTGCCCCAGGGCAGTGGGAG	1876	Qy	3196	AATAGAGGCAGTGGACTCCAGGGGGCTGGCCACGGAGCTGGCAG	3255
Qy	2116	GGCCCCAGACTGATTCCCTGACTCCAGGAGACTGCGAG	2175	Db	2939	AATAGAGGCAGTGGACTCCAGGGGGCTGGCCACGGAGCTGGCAG	2958
Db	1877	GGCCCCAGACTGATTCCCTGACTCCAGGAGACTGCGAG	1936	Qy	3256	CCCTCCGACACACTCATGTCATGTCAGGAGCCCTGAGGAGCTTG	3315
Qy	2176	GGCAAGTTGGGAGGNGACCTGCTGAGGAG	2235	Db	2959	-----	-----
Db	1937	GGCAAGTTGGGAGGNGACCTGCTGAGGAG	2235	Qy	3316	CCACCCAGCTGGCTCTGGATGGATCCTCCACCCCTCTAGG	3375
Qy	2236	ATTCGCCCTTAATGCGTAAGGACACCTTGCCTGAGCTGTCAGATCT	2295	Db	2973	CCACCCAGCTGGCTCTGGATGGATCCTCCACCCCTCTAGG	3032
Db	1997	ATTCGCCCTTAATGCGTAAGGACACCTTGCCTGAGCTGTCAGATCT	2056	Qy	3376	AASGGTGGGAGAAATAGATGAGACACTGGACATGGCCCATGGAGCAC	3435
Qy	2296	CAGATGCCAACAGATGCCAGCTCTCCTGTTCTCAGGATGANTTC	2355	Db	3033	AAGGGGGAGAAATAGATGAGACACTGGACATGGCCCATGGAGCAC	3092
Db	2057	CAGATGCCAACAGATG-----	2098	Qy	3436	ACTGGACACACTGATCTGGAGGCTGGCGG-CGCCAGCTCTCC	3494
Qy	2356	TGAAGATCATGTCGAGCTCAGGACCCAAACATCATGCGTC	2415	Db	3093	ACTGGACACACTGATCTGGAGGCTGGCGG-CGCCAGCTCTCC	3152
Db	2099	TGAAGATCATGTCGAGCTCAGGACCCAAACATCATGCGTC	2158	Qy	3495	ACACTGGACCCACTGGTGGAGATCTGGGGAGGAGACAAGGAGA	3554
Qy	2416	AGGAGACCCCTCGCATGATTACTGACTACATGAGACGGACCT	2475	Db	3153	ACACTGGACCCACTGGTGGAGATCTGGGGAGGAGACAAGGAGA	3212
Db	2159	AGGAGACCCCTCGCATGATTACTGACTACATGAGACGGACCT	2218	Qy	3555	TTCCTTGCTGCGCTCTGACTCTGCTACTCTGGCTCTCC	3614
Qy	2476	TCAGGCCACCAAGAGCAAGGAGCAAGGAGCGCGAGGCGCTG	2535	Db	3213	TTCCTTGCTGCGCTCTGACTCTGCTACTCTGGCTCTCC	3272
Db	2219	TCAGGCCACCAAGAGCAAGGAGCGAGGCGCCCTGGGAGCGCTG	2278	Qy	3615	GAACACACTGGACCTGGGGTAGCCGCCAGCCCTCAGTCAC	3674
Qy	2536	CGCAGGGCCACCATCAGCTGAGCTACCCATGCGTC	2595	Db	3273	GAACACACTGGACCTGGGGTAGCCGCCAGCCCTCAGTCAC	3332
Db	2279	CGCAGGGCCACCATCAGCTGAGCTACCCATGCGTC	2338	Qy	3675	CACTCTGCTGCTGAGACTTCTAAGCTATAGTTCTGGAGA	3734
Qy	2596	GCATCGCTACTGCACTCACTCACTTGTACACGGGACTG	2655	Db	3333	CACTCTGCTGCTGAGACTTCTAAGCTATAGTTCTGGAGA	3392
Db	2339	GCATCGCTACTGCACTCACTCACTTGTACACGGGACTG	2398	Qy	3735	GGGGGAAGAGGGGACCCCATGGCTCTGGGTGACATCT	3794
Qy	2656	TAGTGGGAAATTTCACCATCAATCGAGACTTGGCATGGCGAAC	2715	Db	3393	GGGGGAAGAGGGGACCCCATGGCTCTGGGTGACATCT	3452
Db	2399	TAGTGGGAAATTTCACCATCAATCGAGACTTGGCATGGCGAAC	2458	Qy	3795	CACTATTCTTCTAATCTTCTGGGTGACATCT	3854
Qy	2716	CTGGGACTATTACCGTGTCCAGGGCGGGGAGTCTGGCTG	2775	Db	3453	CACTATTCTTCTAATCTTCTGGGTGACATCT	3512
Db	2459	CTGGGACTATTACCGTGTCCAGGGCGGGGAGTCTGGCTG	2518	Qy	3855	TTCACACTATATGACCTGCTGAGGAGGAGGAGACAGAT	3914
Qy	2776	AGTGCATCCATGGGAAGTTCAGACCTGCGAGCTGGCTG	2835	Db	3513	TTCACACTATATGACCTGCTGAGGAGGAGGAGACAGAT	3572
Db	2519	AGTGCATCCATGGGAAGTTCAGACCTGCGAGCTGGCTG	2578	Qy	3915	ATATAAAGGTGAGTTCCACAAAAAA	3953
Qy	2896	TCTGGAGAACGGGGAGTCTCGGACCGAGGCCAGGGCAG	2955	Db	3573	ATATAAAGGTGAGTTCCACAAAAAA	3611
Db	2639	TCTGGAGAACGGGGAGTCTCGGACCGAGGCCAGGGCAG	2698	RESULT	3		
Qy	2956	CGCTGCGCTGGCCCGAGGGCTATATGACTCTGAGCTGGCTG	3015				
Db	2699	CGCTGCGCTGGCCCGAGGGCTATATGACTCTGAGCTGGCTG	2758				
Qy	3016	AGCAGGAGCACCCCTTCCAGCTGCACTGGCTCTGGCAGAGGATG	3075				

US-08-170-558-3

; Sequence 3, Application US/08170558

; Patent No. 6001621

; GENERAL INFORMATION:

; APPLICANT: Godowski, Paul J.

; APPLICANT: Mark, Melanie R.

; APPLICANT: Scadden, David T.

; APPLICANT: Baker, Kevin P.

---

П. 2 П. 3 П. 4 П. 5 П. 6 П. 7 П. 8 П. 9 П. 10

17	GGGGC	11111
16	GGCGC	11111
15	GGCGG	11111
14	GGCGG	11111
13	GGCGG	11111
12	GGCGG	11111
11	GGCGG	11111
10	GGCGG	11111
9	GGCGG	11111
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7	TGACGG	11111
6	TGACGG	11111
5	TGACGG	11111
4	TGACGG	11111
3	TGACGG	11111
2	TGACGG	11111
1	TGACGG	11111

INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

TITLE: Db 437 GGCAGCGCTTAACTCCGGGATGTCGCCCTGATGGCTGGAGGACCGCTGGGTAGG 496

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/1710,558

FILING DATE: 20-DEC-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/15/563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28, 616

REFERENCE DOCKET NUMBER: 834C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 9107371-1768

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 3637 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

-08-170-558-3

QY	1816	GTTGRCGCCATGCTGCTGCTCTCACTTCAAGCTTACGCCCTTCTGGCA	1875
Db	1577	GGTGCCTCATGGCTCTGGCTGCTCTCACTTCAAGCTTACGCCCTTCTGGCA	1636
QY	1876	CTTACGCCCTCTGGAGGCCAGCCATCGGCTGCTGCTCTCACTTCAAGCTTACGCCCTTCTGGCA	1935
Db	1637	CTTACGCCCTCTGGAGGCCAGCCATCGGCTGCTGCTCTCACTTCAAGCTTACGCCCTTCTGGCA	1696
QY	1936	ACACCCAGGCCATCAGTGGGACTATATGAGGCTGAGAGGCCAGGGCCCTCTG	1995
Db	1697	ACACCCAGGCCATCAGTGGGACTATATGAGGCTGAGAGGCCAGGGCCCTCTG	1756
QY	1996	CCGCCACCTCCAGAACAGCGTCCCCATATGCGGAGCTGACATGTTACCTGCAAG	2055
Db	1757	CCGCCACCTCCAGAACAGCGTCCCCATATGCGGAGCTGACATGTTACCTGCAAG	1816
QY	2056	GGTCACGGGGCAACACTATGCTGCTGCTGACTGCCCCACTGCCCCAGGGAGTCGGATG	2115
Db	1817	GGTCACGGGGCAACACTATGCTGCTGCTGACTGCCCCACTGCCCCAGGGAGTCGGATG	1876
QY	2116	GGCCCCCAGAGTGGATTCCCTGATCTGACTCCGCTGACTGCCCAAGGGAGTCGGATG	2175
Db	1877	GGCCCCCAGAGTGGATTCCCTGATCTGACTCCGCTGACTGCCCAAGGGAGTCGGATG	1936
QY	2176	GCCAGTGTGGAGGTGACCCCTGAGGTCAGACGCCCTGAGATCTGGTCACTG	2235
Db	1937	GCCAGTGTGGAGGTGACCCCTGAGTGTGACACGCCCTGAGATCTGGTCACTG	1996
QY	2236	ATTCCTCTTAATGTCGTAAGGACACCCCTGCTGCTGAGTGTGACATCTACGC	2295
Db	1997	ATTCCTCTTAATGTCGTAAGGACACCCCTGCTGCTGAGTGTGACATCTACGC	2056
QY	2296	CAGATGCCAACAGAACATGCACTCTCCCTGCTGCTGAGTGTGACATCTACGC	2355
Db	2057	CAGATGCCAACAGAACATGCACTCTCCCTGCTGCTGAGTGTGACATCTACGC	2098
QY	2356	TGAAGATCATGCGAGGCTCAAGGACCCAACTCATTCGGCTGCTGGCTGCTG	2415
Db	2099	TGAAGATCATGCGAGGCTCAAGGACCCAACTCATTCGGCTGCTGGCTGCTG	2158
QY	2416	AGGACCCCTCTGATGATGATTCTGACTCATGGAGACGGAGCTAACAGTTC	2475
Db	2159	AGGACCCCTCTGATGATGATTCTGACTCATGGAGACGGAGCTAACAGTTC	2218
QY	2476	TCAGGCCCCAACAGCTGCACTGAGTACTGACTCATGGAGACGGCGACCTAACAGTTC	2535
Db	2219	TCAGGCCCCAACAGCTGCACTGAGTACTGACTCATGGAGACGGCGACCTAACAGTTC	2278
QY	2536	CGCAGGGCCACCATCAGCTACCAATGCTCTGCTGATGAGGCCAGATGCTCCG	2595
Db	2279	CGCAGGGCCACCATCAGCTACCAATGCTCTGCTGATGAGGCCAGATGCTCCG	2338
QY	2596	GCATGGCTCTGGCACACTCAACTTGTACATGGACCTGGCACCGGAACTG	2655
Db	2339	GCATGGCTCTGGCACACTCAACTTGTACATGGACCTGGCACCGGAACTG	2398
QY	2656	TAGTGGGGAAATTTCACCATCAAAATCCGACACTTGTGATGAGGCCACGGACTG	2715
Db	2399	TAGTGGGGAAATTTCACCATCAAAATCCGACACTTGTGATGAGGCCACGGACTG	2458
QY	2716	CTGGGACTATTACCGTGCAGGGCCGCAAGCCATCGGCTGCTGCTG	2775
Db	2459	CTGGGACTATTACCGTGCAGGGCCGCAAGCCATCGGCTGCTGCTG	2518
QY	2776	AGTGATCTCATGGGAACCTCAGACTCGAGTGAGCTGGGACTTGTGACCC	2835
Db	2519	AGTGATCTCATGGGAACCTCAGACTCGAGTGAGCTGGGACTTGTGACCC	2835
QY	2836	TGTGGGGGGCTGCTGCTGAGGCTGAGCTGGGCTTGTGACCC	2578
QY	2579	TGTGGGGGGCTGCTGCTGAGGCTGAGCTGGGCTTGTGACCC	2895
QY	2896	TGATGAGAACGGGGAGTCTCCGGACAGGGCCGGAGTGTACCTTCCCGC	2955
Db	2639	TGATGAGAACGGGGAGTCTCCGGACAGGGCCGGAGTGTACCTTCCCGC	2698
QY	2956	CGCTGCTGCCCCGAGGCCATATGAGCTGATCTGAGCTGCTG	3015
Db	2699	CGCTGCTGCCCCGAGGCCATATGAGCTGATCTGAGCTGCTG	2758
QY	3016	ACAGGACACCTTCCAGGCTGATGCTGCTG	3075
Db	2759	ACAGGACACCTTCCAGGCTGATGCTGCTG	2818
QY	3076	TGTGATCACACATCCACCTGCCCCCTCTGAGGAGTGATCAGGGAGTCACAGG	3135
Db	2819	TGTGATCACACATCCACCTGCCCCCTCTGAGGAGTGATCAGGGAGTCACAGG	2938
QY	3136	CTAAACAAAGAGAGAACATGCGACCTCTGCTGCTGCTGCTG	3195
Db	2879	CTAAACAAAGAGAGAACATGCGACCTCTGCTGCTGCTGCTG	3255
QY	3196	AA TAGAGGAGAGAGACTGCGAGTGGGACTGGCCACCCAGGGAGCTGAGCTGAG	325
Db	2939	AA TAGAGGAGAGAGACTGCGAGTGGGACTGGCCACCCAGGGAGCTGAGCTGAG	2958
QY	3256	CCCTCTGGACACACTCTCATGTCCTCTCTGTCCTCTCTGAGAAGGCCCTGCG	3315
Db	2959	CCCTCTGGACACACTCTCATGTCCTCTCTGAGAAGGCCCTGCG	2972
QY	3316	CCACCCAGCGCTGCTGCTGCTGAGTGTGCTCTCAGCCCTCTGAGAAGGCCCTGCG	3375
Db	2973	CCACCCAGCGCTGCTGCTGCTGAGTGTGCTCTCAGCCCTCTGAGAAGGCCCTGCG	3032
QY	3376	AGGGTGGGAGAATATGGATGAGACTGACCTGGACATGGCCATTGGAGCACCTGGCC	3435
Db	3033	AGGGTGGGAGAATATGGATGAGACTGACCTGGACATGGCCATTGGAGCACCTGGCC	3092
QY	3436	ACTGGACACACTGTTCTGGAGGAGTGTGCTGCG-CGCCAGCTGTGGCTCAGTTC	3494
Db	3093	ACTGGACACACTGTTCTGGAGGAGTGTGCTGCG-CGCCAGCTGTGGCTCAGTTC	3152
QY	3495	ACACTGGACCCACTGGCTGAGAACCTGGGGTGAGGAGAACAGGGAGGAATG	3554
Db	3153	ACACTGGACCCACTGGCTGAGAACCTGGGGTGAGGAGAACAGGGAGGAATG	3212
QY	3555	TTCTCTGTGCTGCTGCTGCTGCTGACTCTGAGAATCTGGGGTGAGGAGAACAGGGAGGAATG	3614
Db	3213	TTCTCTGTGCTGCTGCTGCTGACTCTGAGAATCTGGGGTGAGGAGAACAGGGAGGAATG	3272
QY	3615	GAAGACTGGACCTGGGGAGCCCGCCAGCCCTGAGCTTCACTTCCACTG	3674
Db	3273	GAAGACTGGACCTGGGGAGCCCGCCAGCCCTGAGCTTCACTTCCACTG	3332
QY	3675	CAGCTTGTGACTGACTCTCTGAGCTTACCTGCTGAGTAAATTGGATT	3734
Db	3333	CAGCTTGTGACTGACTCTCTGAGCTTACCTGCTGAGTAAATTGGATT	3392
QY	3735	GGGGGAAGAGGGCAAGGCCATAGCTGGGTGAGCATCTAGTGCTG	3794
Db	3393	GGGGGAAGAGGGCAAGGCCATAGCTGGGTGAGCATCTAGTGCTG	3452
QY	3795	CACATGATTTCTGAGGAGCTGAGTGGGAGGAGACAGAT	3854
Db	3453	CACATGATTTCTGAGGAGCTGAGTGGGAGGAGACAGAT	3512
QY	3855	TTTACACTAATATGGACCTGAGGCAATTAACTCCGGACTCTAGTGCTG	3914
Db	3513	TTTACACTAATATGGACCTGAGGCAATTAACTCCGGACTCTAGTGCTG	3572
QY	3915	ATAATAAGGTGAGTTTCCACAAAAAAAGAAAA	3953
Db	3573	ATAATAAGGTGAGTTTCCACAAAAAAAGAAAA	3611



Db	1397	GGCGGCTGCACTGGCGCAGGCTCCAGCAAGCGAACGGGGTGGAAAGGGAC	Db	2459	CTGGGACTATTACCGTGTSCAGGGCGGGCAGTGTGCCCCATCGGCTGGATGGCCCTGG
QY	1696	TGACGGTTCACTCTCTGTCCTGGGAGACATATCTCATCAACAAACCGGCCAGGCTTA	QY	2776	AGTCACATCCTCATGGSGAAAGTCAGCACTCGAGAGCTGAGCTGAGCTGGCCCTTGGTGTGACCC
Db	1457	TGACGGTTCACTCTCTGTCCTGGGAGACATATCTCATCAACAAACCGGCCAGGCTTA	Db	2519	AGTCACATCCTCATGGSGAAAGTCAGCACTCGAGAGCTGAGCTGAGCTGGCCCTTGGTGTGACCC
QY	1756	GAGGCCACCCCGTACCGAGGCCGCGACTCTGGGAGATCCGCCACTCCGCTCC	QY	2836	TGTGGAGGCTGTGCTGTAGGGCAAGCCCTGGGAGCTGAGCTGAGCTGGCCCTTGGCAGGAGGAGG
Db	1517	GAGGCCACCCCGTACCGAGGCCGCGACTCTGGGAGATCCGCCACTCCGCTCC	Db	2579	TGTGGAGGCTGTGAGCTGTAGGGCAAGCCCTGGGAGCTGAGCTGAGCTGGCCCTTGGCAGGAGGAGG
QY	1816	GTGTCGCCAATGGCTCTGGCTGTGCTGCTCCATCCAGCTACAGCCCTCTTGCCA	QY	2896	TCACTGAGAAGGGAGGTCCTGGGAGCCAGGGCCAGGGAGCTGAGCTGGAGGGAGGAG
Db	1577	GTGTCGCCAATGGCTCTGGCTGTGCTGCTCCATCCAGCTACAGCCCTCTTGCCA	Db	2639	TCACTGAGAAGGGAGGTCCTGGGAGCCAGGGCCAGGGAGCTGAGCTGGAGGGAGGAG
QY	1876	CTTAGGCCCTCCCTCGAGGCCGCGACTGGGAGCTGAGGCCAAACCCACCA	QY	2956	CGCTGCCTCCCGCAGGCCCTATAGAGCTGAGCTGAGCTGGCTGAGCTGGAGGCTGAGCTGGAGG
Db	1637	CTTAGGCCCTCCCTCGAGGCCGCGACTGGGAGCTGAGGCCAAACCCACCA	Db	2699	CGCTGCCTCCCGCAGGCCCTATAGAGCTGAGCTGAGCTGGAGGCTGAGCTGGAGGAG
QY	1936	ACACCCAGGCTACAGTGGGAGCATATAGAGGCCGCGCCGCTCTGC	QY	3016	AGCAGGACCCCTTTCCAGCTGAGCTGGCTCTGGAGAGATGCTGAGCTGCCTAACACGG
Db	1697	ACACCCAGGCTACAGTGGGAGCATATAGAGGCCGCGCCGCTCTGC	Db	2759	AGCAGGACCCCTTTCCAGCTGAGCTGGCTGAGCTGAGCTGGAGGCTGAGCTAACACGG
QY	1996	CCGACCTCCAGACAGCTCCCATATGGCAGGCTGAGATGTTACCTGCGAG	QY	3076	TGTGATCACATCCAGCTCCCTCAGGAGTGTCCAGGGAGGAGCTGAGCTGGAGGAG
Db	1757	CCGACCTCCAGACAGCTCCCATATGGCAGGCTGAGATGTTACCTGCGAG	Db	2819	TGTGATCACATCCAGCTCCCTCAGGAGTGTCCAGGGAGGAGCTGAGCTGGAG
QY	2056	GCGTCACCGGGGAAACCTATGCTGACTGCGCTGAGCTGAGCTGGAGAT	QY	3136	CTAAACAGGACACATGGCACCTGAGCTGAGCTGGCTGAGCTGAGCTGGAG
Db	1817	GCGCACCGGGGAAACCTATGCTGACTGCGCTGAGCTGAGCTGGAGAT	Db	2879	CTAAACAGGACACATGGCACCTGAGCTGAGCTGGCTGAGCTGGAG
QY	2116	GGCCCCAGAGTGGATTCCTGATCTCGACTCCGCTTCAGAGAGAGCTGCGAGG	QY	3196	AATAAGGGAGTGGACTGGAGGAGCTGGCTGAGCTGGAGGAGCTGAGCTGGAGG
Db	1877	GGCCCCAGAGTGGATTCCTGACTCCGCTTCAGAGAGAGCTGAGCTGGAGG	Db	2939	AATAAGGGAGTGGACTGAGCTGGAGGAGCTGAGCTGGAGGAG
QY	2176	GCGCGTTGGGGAGCTGCTGAGCTGAGCCCTCAAGATCTGTCAGTCAG	QY	3256	CCCTCTGGACACACTCTATGCCCCCTCTGCTCTCTCTGAGCCCTGG
Db	1937	GCGCGTTGGGGAGCTGCTGAGCTGAGCCCTCAAGATCTGTCAGTCAG	Db	2959	-----
QY	2236	ATTCGCCCTTAATGTCGCTAAAGGAGCACCCCTGGTAGCTGTCAGATCTACGGC	QY	3316	-----
Db	1997	ATTCGCCCTTAATGTCGCTAAAGGAGCACCCCTGGTAGCTGTCAGATCTACGGC	Db	2973	CCACCCAGGGCTGCTGAGTGGATCTCCACCTCTCTGAGCCATCCCTGGG
QY	2296	CAGTGCACCAAGAAATGCCGCTCTCTGTTCTGCTGAGCTGAGGAG	QY	3376	AAGGGGGAGAATATAGATAGACACTGGACATGGGAGCTGGAGCTGGCC
Db	2057	CAGTGCACCAAGAAATGCCGCTCTCTGTTCTGCTGAGCTGAGGAG	Db	3033	CCACCCAGGGCTGCTGAGTGGATCTCCACCTCTCTGAGCCATCCCTGGG
QY	2356	TGAGATCATGTCAGGCTCAAGGACCCACATCATGGCTCTGGGTGTGTC	QY	3436	ACTGGACACACTGATCTGGAGGGGGCTGG-CGGAGCTCTGGAG
Db	2099	TGAGATCATGTCAGGCTCAAGGACCCACATCATGGCTCTGGGTGTGTC	Db	3093	ACTGGACACACTGATCTGGAGGGGGCTGGAGGAGCTGGAG
QY	2416	AGGAGGACCCCTCTGCGATGATGATGATGATGATGATGATGATGATG	QY	3495	ACATGGACCCACACTGGCTGAGAATCTGGGGTGGAGGAGCAAGAAGGAGGAAATG
Db	2159	AGGAGGACCCCTCTGCGATGATGATGATGATGATGATGATGATGATG	Db	3153	ACATGGACCCACACTGGCTGAGAATCTGGGGTGGAGGAGCAAGAAGGAGGAAATG
QY	2476	TCAGTGCACCAAGCTGGAGGAGGCCGCGCCCTGGGAGGGAGGAGG	QY	3555	TTCTCTGCTCTCTCTGCTACTGTCAGCTGGCTCTCCCTCCATCACT
Db	2219	TCAGTGCACCAAGCTGGAGGAGGCCGCGCCCTGGGAGGGAGGAGG	Db	3213	TTCTCTGCTCTCTCTGCTACTGTCAGCTGGCTCTCCCTCCATCACT
QY	2536	CGAGGGCCACCATCGCTCCAAATGCTGTCATGGAGCCAGGGCTCG	QY	3615	GAAGACTGGACCCACTGGCTGAGAATCTGGGGTGGAGGAGCAAGAAGGAGGAAATG
Db	2279	CGAGGGCCACCATCGCTCCAAATGCTGTCATGGAGGAGGCCAGGCTCG	Db	3273	GAACACTGGACCCACTGGCTGAGAATCTGGGGTGGAGGAGCAAGAAGGAGGAAATG
QY	2596	GGATGCGTATCTGCCACACTCACTTGTCATCGGGACCGGCCACGGAACTGCC	QY	3675	CAGCTTGTGAGCTGAGCTCTGAGCTATAGCTGAGCTGAGCTGGAGTAAATGGGATT
Db	2339	GGATGCGTATCTGCCACACTCACTTGTCATCGGGACCGGCCACGGAACTGCC	Db	3333	CAGCTTGTGAGCTGAGCTCTGAGCTATAGCTGAGCTGAGCTGGAGTAAATGGGATT
QY	2656	TAGTGGGAAATTCACCATCAAAATCGCAACTGGAGCTGGCACTGG	QY	3735	GGGGGAAGGGAGGCCATGCTGGGTGAGCTCTAGTGTAGCTG
Db	2399	TAGTGGGAAATTCACCATCAAAATCGCAACTGGAGCTGGCACTGG	Db	3393	GGGGGAAGGGAGGCCATGCTGGGTGAGCTCTAGTGTAGCTG
QY	2716	CTGGGGACTATTACCGTGTGAGGCCAGGCGCACTGGCTGAGCTGG	QY	3795	CACATGATTCTATACACTTGAGGTTGAGGAGGAGCACAGAT
			Db	3453	CACATGATTCTATACACTTGAGGTTGAGGAGGAGCACAGAT

QY 3855 TTATCACTAATATATGGACCTAGCTTGAGGCAATTATCCCTGCACTAGGCAGGA 3914  
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 Db 3513 TTTCACACTAATATATGGACCTAGCTTGAGGCAATTATCCCTGCACTAGGCAGGA 3572  
 QY 3915 ATATAAAGGTGAGTTCCACAAAAAA 3953  
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 Db 3573 ATATAAAGGTGAGTTCCACAAAAAA 3611  
 RESULT 5  
 US-08-445-161-3  
 Sequence 3, Application US/08445461  
 Patent No. 6036527  
 GENERAL INFORMATION:  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Mark, Melanie R.  
 APPLICANT: Scadden, David T.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Barton, Will F.  
 TITLE OF INVENTION: Protein Tyrosine Kinases  
 NUMBER OF SEQUENCES: 35  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 COMPUTER TYPE: 5.25 inch, 360 Kb floppy disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08445,461  
 FILING DATE: 22-MAY-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/170558  
 FILING DATE: 20-DEC-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/157563  
 FILING DATE: 23-NOV-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hasak, Janet E.  
 REGISTRATION NUMBER: 28,616  
 REFERENCE/DOCKET NUMBER: 854C3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/925-1896  
 TELEFAX: 415/952-9881  
 TELEX: 910371-168  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3637 bases  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-445-161-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;  
 Best Local Similarity 97.0%; Pred. No. 0;  
 Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGAGCTTGAGGATGCCAGGATGCTGCCACCCCTTGTAGGCCGAGGATGAG 315  
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 Db 17 GTGAGCTTGAGGATGCCAGGATGCTGCCACCCCTTGTAGGCCGAGGATGAG 76  
 QY 316 GAGGTATGGACCCGAGGCCCTCTCATCTTACTGCTGCTGCTGTGAGTGG 375  
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 Db 77 GAGGTATGGACCCGAGGCCCTCTCATCTTACTGCTGCTGAGTGG 136

QY 376 ATGCTGACATGAGGGACATTGTGATCCTGCCAAGGCCATATGCCAGG 435  
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 Db 137 ATGCTGACATGAGGGACATTGTGATCCTGCCAAGGCCATATGCCAGG 196  
 QY 436 ACCGGACCATCCAGACAGTGACATCCTGCTCCAGCTCTGGTCAAGTCCACTGCC 495  
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 Db 197 ACCGGACCATCCAGACAGTGACATCCTGCTCCAGCTCTGGTCAAGTCCACTGCC 256  
 QY 496 CCCGCCACAGAGGTGAGAACCGAGTCAGTGACGGGATGGGGCTGGTCACTGCC 555  
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 Db 257 CCCGCCACAGAGGTGAGAACCGAGTCAGTGACGGGATGGGGCTGGTCACTGCC 316  
 QY 556 TGTTCACAGAGGGAGACTTGAGGAGCTACAAAGGACTCACCTGGGGCT 615  
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 Db 317 TGTTCACAGAGGGAGACTTGAGGAGCTACAAAGGACTCACCTGGGGCT 376  
 QY 616 TGGTGGCACCCAGGACGGCATGCGGGGCTGGCAAGGAGTCTCCGGAGTAC 675  
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 Db 377 TGGTGGCACCCAGGACGGCATGCGGGGCTGGCAAGGAGTCTCCGGAGTAC 436  
 QY 676 GGCTGGTTACTCCCGGATGGTCGCCGCTGATGGGCTGGAGAACCGCAGGGTCAGG 735  
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 Db 437 GGCTGGTTACTCCCGGATGGTCGCCGCTGATGGGCTGGAGAACCGCAGGGTCAGG 496  
 QY 736 AGGTGATCTCAGGAACTGAGGACCTGGTGTGAGGACCTGGGGCCCCA 795  
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 Db 497 AGGTGATCTCAGGAACTGAGGACCTGGTGTGAGGACCTGGGGCCCCA 556  
 QY 795 TGGTGGCCGACTGGTGTGCTACCCCGGGTGTGAGGACCTGGGGCCCCA 855  
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 Db 557 TGGTGGCCGACTGGTGTGCTACCCCGGGTGTGAGGACCTGGGGCCCCA 616  
 QY 856 GGGTAGCTATGCTGCTCTGGGGATGGACTCTCTACACCCCCCTGG 915  
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 Db 617 GGGTAGCTATGCTGCTCTGGGGATGGACTCTACACCCCCCTGG 676  
 QY 916 GCGAGCAAGTATTATCAGGGCTGTGACCTTGACGCTCCACCTAGACGACATA 975  
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 Db 677 GGCAGACAACTGATTATCTGAGGGCTGTGACCTTGACGCTCCACCTAGACGACATA 736  
 QY 976 CGCTGGCGGACTGGAGTATGGGGCTGGCCACCTGGAGATGGTGTGGCTG 1035  
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 Db 737 CGTGGCGGACTGGAGTATGGGGCTGGCCACCTGGAGATGGTGTGGCTG 796  
 QY 1036 ATGACTTAAAGGAGCTCAGGAGCTGGGGCTGGCCAGGATGAGTGGATGGA 1095  
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 Db 797 ATGACTTAAAGGAGCTCAGGAGCTGGGGCTGGCCAGGATGAGTGGATGGA 856  
 QY 1096 GCAACCAACTCTCCAGGGCTGTGAGATGGAGTGTGAGTGGGGCTGGAGG 1155  
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 Db 857 GCAACCAACTCTCCAGGGCTGTGAGATGGAGTGTGAGATGGGGCTGGAGG 916  
 QY 1156 CCTTCAGGATGAGGACTCTAACACATGCCACAGCTGGGGCTGGCC 1215  
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 Db 917 CCTTCAGGATGAGGACTCTAACACATGCCACAGCTGGGGCTGGCC 976  
 QY 1216 GCGGGGTGGATGAGGACTCTAACACATGCCACAGCTGGGGCTGGCC 1275  
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 Db 977 GCGGGGTGGATGAGGACTCTAACACATGCCACAGCTGGGGCTGGCC 1036  
 QY 1276 GCGCAACACTGGGGCAACTGGGGACGCCAGGCCGGCTCTGGGGCTGG 1335  
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 Db 1037 GCGCACACCTGGGGCAACTGGGGACGCCAGGCCGGCTCTGGGGCTGG 1096  
 QY 1336 GCGGGCGTGTGGCTCTGGAGTGGGACAACTCTCTCGGGGACTGGAGGA 1455  
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 Db 1097 GCGGGCGTGTGGCTCTGGAGTGGGACAACTCTCTCGGGGACTGGAGGA 1156  
 QY 1396 TCACSGAATCTCTCTCATCTCTGAGTGGGACAACTCTCTCGGGGACTGGAGGA 1455  
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 Db 1157 TCACSGAATCTCTCTCATCTCTGAGTGGGACAACTCTCTCGGGGACTGGAGGA 1216  
 QY 1456 CCTTCAGGACCCCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGG 1515



Query Match 30 1%; Score 1192.2; DB 1; Length 1197;  
 Best Local Similarity 99.7%; Pred. No. 6.473; Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Query 375 GATGCTGAGATGAGGAGATTGATGATCCTGCCAAGTGCCTATGCCGGCATGCCATGGGATGCAG 434  
 Db 1 GATGCTGAGATGAGGAGATTGATGATCCTGCCAAGTGCCTATGCCGGCATGCCATGGGATGCAG 60.

Query 375 GACCGGACCATCCCAGACAGTACATCTGCTTCAGTCCCTGTCAGATCCACTGCC 494  
 Db 61 GACCGGACCATCCCAGACAGTACATCTGCTTCAGTCCACTGCC 120.

Query 495 GCGCCGACAGCAGGTGAGACATCTGCTTCAGTCCCTGTCAGATCCACTGCC 494  
 Db 121 GCGCCGACAGCAGGTGAGACAGTACATCTGCTTCAGTCCACTGCC 180.

Query 555 GTGTTCCCAGGAGGAGGAGTACTTGAGGTGATCTAACCAACTCCACCTGGGGTGGCT 614  
 Db 181 GTGTTCCCAGGAGGAGGAGTACTTGAGGTGATCTAACCAACTCCACCTGGGGTGGCT 240.

Query 615 CTGGTGGGACCCAGGGAGGAGGAGGAGGATGCCGGGGCTGGGGAGGGTTCGCCAGGAGTAC 674  
 Db 241 CTGGTGGGACCCAGGGAGGAGGAGGAGGATGCCGGGGCTGGGGAGGGTTCGCCAGGAGTAC 300.

Query 675 CGCTCTGGGTACTCCGGGATGGCGCCCTGGATGGGGATGGGGATGGGGATGGGGCTGGGTG 734  
 Db 301 CGCTCTGGGTACTCCGGGATGGCGCCCTGGATGGGGATGGGTG 360.

Query 735 GAGGTGATCTAGGCAATGAGGACCTGAGGAGCTGGGGATGGGTCTGAGGACCTGGGGCC 794  
 Db 361 GAGGTGATCTAGGCAATGAGGACCTGAGGAGCTGGGGATGGGTCTGAGGACCTGGGGCC 420.

Query 795 ATGTTGCCGACTGGTCTGCTTACCCCCGGCTGACGGGTCATGAGTGTGTGTCTG 854  
 Db 421 ATGTTGCCGACTGGTCTGCTTACCCCCGGCTGACGGGTCATGAGCCTGGGTCTG 480.

Query 855 CGGGTAGACTCATGGCCCTGGGGAGGAGCTGGCTTACCCGGCTGGGGCTGGGGCTGGGGCC 914  
 Db 481 CGGGTAGACTCATGGCCCTGGGGAGGAGCTGGCTTACCCGGCTGGGGCTGGGGCC 540.

Query 915 GGGCAGACATGATTTACTGAGCCCTGTTACCTCAAGACTCCACCTATGAGGAGT 974  
 Db 541 GGGCAGACATGATTTACTGAGCCCTGTTACCTCAAGACTCCACCTATGAGGAGT 600.

Query 975 ACGGTGGGGACTGCACTATGGGGCTGGCCAGCTGGCAAGTGGGGCTGGGGCTGGGGCTGG 1034  
 Db 601 ACGGTGGGGACTGCACTATGGGGCTGGCCAGCTGGGGCTGGGGCTGGGGCTGGGGCTGG 660.

Query 1035 GATGACTTTAGGAGAGTCAAGAGTCTGGGCTGGCCAGGGCTATGAGT 1094  
 Db 661 GATGACTTTAGGAGAGTCAAGAGTCTGGGCTGGCCAGGGCTATGAGT 720.

Query 1095 AGCAACACACTTCCAGTGTGAGATGGAGGTGAGTTGAGTTGACCGGCTGAGT 1154  
 Db 721 AGCAACACACTTCCAGTGTGAGATGGAGGTGAGTTGACCGGCTGAGT 780.

Query 1155 GCCTCCAGCTATGCGGCTACTGTACACATGCAACCCGCTGGGAGCCGCTGCGCT 1214  
 Db 781 GCCTCCAGCTATGCGGCTACTGTACACATGCAACCCGCTGGGAGCCGCTGCGCT 840.

Query 1215 GCGGCGSTGAAATGCGCTCTGGGCTGAGCTGGGGCTGGGGAGGCCAG 1274  
 Db 841 GCGGGGGTGAATGTCGCTCTGGGCTGAGCTGGGGCTGGGGAGGCCAG 900.

Query 1275 CGCCACACACTAGGGCAACCTGGGGGAGGCCAGGCCAGGGCTGCT 1334  
 Db 901 CGCCACACACTAGGGCAACCTGGGGGAGGCCAGGCCAGGGCTGCT 960.

Query 1335 GCGGGCGTGTGCTGCTGCTGAGTGGGGCTGGGGCTGGGGCTGGGGCTG 1394  
 Db 961 GCGGGCGTGTGCTGCTGAGTGGGGCTGGGGCTGGGGCTGGGGCTG 1020.

RESULT 6  
 US-08-445-640-7  
 Sequence 7, Application US/08445640  
 Patient No. 570958  
 GENERAL INFORMATION:  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Mark, Melanie R.  
 APPLICANT: Scadden, David T.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Baron, Will F.  
 TITLE OF INVENTION: Protein Tyrosine Kinases  
 NUMBER OF SEQUENCES: 35  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5 1/4 inch, 350 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/445,640  
 FILING DATE: 22-MAY-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/170558  
 FILING DATE: 20-DEC-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/445,640  
 FILING DATE: 23-NOV-1993  
 ATTORNEY /AGENT INFORMATION:  
 NAME: Hasak, Janet E.  
 REGISTRATION NUMBER: 28,616  
 REFERENCE/DOCKET NUMBER: 854C2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/222-1896  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1197 bases  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-445-640-7



us-08-447-314-7  
 Sequence 7, Application US/08447314  
 Patent No. 6087144  
 GENERAL INFORMATION:  
 APPLICANT: Scadden, David T.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Baron, Will F.  
 TITLE OF INVENTION: Protein Tyrosine Kinases  
 NUMBER OF SEQUENCES: 35  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5 1/4 inch, 360 kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/447,314  
 FILING DATE: 22-MAY-1995  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 08/170558  
 FILING DATE: 20-DEC-1993  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 08/157563  
 FILING DATE: 23-NOV-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hasak, Janet E.  
 REGISTRATION NUMBER: 28,616  
 REFERENCE/DOCKET NUMBER: 854C1D2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/925-1896  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1197 bases  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;  
 Best Local Similarity 99.7%; Pred. No. 6.4e-273; Gaps 0;  
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACAGTAAAGGAGCATTTGTATCCCTGCTTCTGGCATGAG 434  
 Db 1 GATGCTGACAGTAAAGGAGCATTTGTATCCCTGCTTCTGGCATGAG 60  
 QY 435 GACGSGACCACTCCAGACAGTGACATCTCGCTTCCAGCTCTGGTCAGATTCAGTCC 494  
 Db 61 GACGSGACCACTCCAGACAGTGACATCTCGCTTCCAGCTCTGGTCAGATTCAGTCC 120  
 QY 495 GCGCGCCACAGCAGGTTGAGAGCAGTGACGGGAGGGGGCTGGGGCGAGGGTCC 554  
 Db 121 GCGCGCCACAGCAGGTTGAGAGCAGTGACGGGAGGGGGCTGGGGCGAGGGTCC 180  
 QY 555 GTGTTTCCAGGAGGAGGAGTACTGTGAGTGATCTGGATCTGGATCTGGCT 614  
 Db 241 GTGTTTCCAGGAGGAGGAGTACTGTGAGTGATCTGGATCTGGATCTGGCT 300  
 QY 675 CGCGCGGTTACTCCGGATGGTGGCGCTGGATGGCGCTGGGAAGGACCGCTGGGGTCAG 734

Db 301 CGGTGCGTACTCCGGATGGCGCTGGATGGGGCTGGGAGGACCGCTGGGTCA 360  
 QY 735 GAGGGATTCAGGCAATAGGACCTGAGGACTGGCTGAAGGACCTGGCTGGCC 794  
 Db 361 GAGGTGATTCAGGCAATAGGACCTGAGGACTGGCTGAAGGACCTGGCTGGCC 420  
 QY 795 ATGGTGCCGACTGGTGCCTTACCCGGGTACGGGACTGGCTGAAGGACCTGGCTGGCC 854  
 Db 421 ATGGTGCCGACTGGTGCCTTACCCGGGTACGGGACTGGCTGAAGGACCTGGCTGGCC 480  
 QY 855 CGGTTAGACTCTTGGCTCTGGAGGGATGACTCTGTGTTACCCGGCCCTG 914  
 Db 481 CGGTAGACTCTTGGCTCTGGAGGGATGACTCTGTGTTACCCGGCCCTG 540  
 QY 915 GGGAGACATGTTACTGTAGGGCTACCTCAAGACTCCACCATGAGGACT 974  
 Db 541 GGGAGACATGTTACTGTAGGGCTACCTCAAGACTCCACCATGAGGACT 600  
 QY 975 ACCTGGGGGACTGCACTTGGGTCTGGCCAGCAGCAGTGGTGGGGCTG 1034  
 Db 601 ACCTGGGGGACTGCACTTGGGTCTGGCCAGCAGCAGTGGTGGGGCTG 660  
 QY 1035 GATGACTTTAGGAGAGTCAGGAAGCTGGAGCTGGGGCTGGCCAGGCTATGACTATGGGATG 1094  
 Db 661 GATGACTTTAGGAGAGTCAGGAAGCTGGAGCTGGGGCTGGCCAGGCTATGACTATGGGATG 720  
 QY 1095 AGGACCCAGCTCTCGAGTGCCTATGGGAGATGGGTTGATGGGCTGAGG 1154  
 Db 721 AGCACCACAGCTCTCGAGTGCCTATGGGAGATGGGCTGAGG 780  
 QY 1155 GCCTCCAGCTATGCAAGTCAACATGCAACAGCTGGGAGCCGCTG 1214  
 Db 781 GCCTCCAGCTATGCAAGTCAACATGCAACAGCTGGGAGCCGCTG 840  
 QY 1215 GCGGGGTTGAATGTCGTTCCCGCGTGGCCCTGGCCATGGCCATGGCC 1274  
 Db 841 GGGGGGTTGAATGTCGTTCCCGCGTGGCCATGGCCATGGCC 900  
 QY 1275 CGCCACAACTAGGGCAACCTGGGACCCAGAGCCGGGTGTCATGGCCCT 1334  
 Db 901 CGCCACAACTAGGGCAACCTGGGACCCAGAGCCGGGTGTCATGGCCCT 960  
 QY 1335 GGGGCCGTGCTCGTTCTGCACTGGCTCCCTTCGGGACCTGGTACTC 1394  
 Db 961 GCGGGCGTGTGCTCGCTTCCTGCACTGGCTCCCTTCGGGACCTGGTACTC 1020  
 QY 1395 TCAGCGAAATCCTCTCATCTCTGATGGTGAACATTCCTCTGGACTGGGGC 1454  
 Db 1021 TCAGCGAAATCCTCTCATCTCTGATGGTGAACATTCCTCTGGACTGGGGC 1080  
 QY 1455 ACCTCCGGAGCCCTGGGGCCCTGGGGCCCTGGCCACCTCCACACTCAGCTG 1514  
 Db 1081 ACCTCCGGAGCCCTGGGGCCCTGGGGCCCTGGCCACCTCCACACTCAGCTG 1140  
 QY 1515 GAGCTGGAGCCAGGGCAGGCCAGGCGCTGGCAAGGGGAGGGCCAGCC 1571  
 Db 1141 GAGCTGGAGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCC 1197  
 RESULT 9  
 US-08-445-461-7  
 Sequence 7, Application US/08445461  
 Patent No. 6086527  
 GENERAL INFORMATION:  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Mark, Melanie R.  
 APPLICANT: Scadden, David T.  
 APPLICANT: Baker, Kevin P.  
 TITLE OF INVENTION: Protein Tyrosine Kinases  
 NUMBER OF SEQUENCES: 35  
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/445,461

FILING DATE: 20-DEC-1993

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/170558

FILING DATE: 22-MAY-1995

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 29, 616

TELEREFERENCE/DOCKET NUMBER: 854C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELELEX:

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 1197 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLGY: linear

US-08-445-461-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;

Best Local Similarity 99.7%; Pred. No. 6.4e-273; Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 375 GATGCTGACATGAGGACATTTGATCCCTGGCCACTATGCCCTGGCATGAG 434

Db 1 GATGCTGACATGAGGACATTTGATCCCTGGCCACTATGCCCTGGCATGAG 60

Qy 435 GACCGGACCAACCCAGACAGTACATCTCGCTTCAGCTGCCTGGTGCAGATTCACAGC 494

Db 61 GACCGGACCAATCCAGACAGTACATCTCGCTTCAGCTGCCTGGTGCAGATTCACAGC 120

Qy 495 GCGGCCACAGCAGTTGGAGACAGTACGGGATGGGGATGGGGCTGGCCCCGGAGGTG 554

Db 121 GCGGCCACAGCAGTTGGAGACAGTACGGGATGGGGATGGGGCTGGCCCCGGAGGTG 180

Qy 555 GTGTTTCCAGGGAGGATATGCAACGACTCCACCTGGTGC 614

Db 181 GTGTTTCCAGGGAGGATATGCAACGACTCCACCTGGTGC 240

Qy 615 CTGGTGGGACCCAGGACCGATACCGGGCTGGGGCTGGGGCTGGGGCTGGGGCTAC 674

Db 241 CTGGTGGGACCCAGGACCGATACCGGGCTGGGGCTGGGGCTGGGGCTAC 300

Qy 675 CGGTGGTGTACTCCGGATGGCGGCTGGGGCTGGGGCTGGGGCTAC 734

Db 301 CGGTGGTGTACTCCGGATGGCGGCTGGGGCTGGGGCTGGGGCTAC 360

Qy 735 GAGGTGATCTCAGGACCTGAGGACCTGAGGAGTGGCTGAAGGACCTTGGCCCCC 794

Db 361 GAGGTGATCTCAGGACCTGAGGACCTGAGGACCTTGGCCCCC 420

Qy 795 ATGGTGGCCGACTGGTGGCTTACCCCCGGCTGACGGGGCATGAGTGTGCTG 854

Db 421 ATGGTGGCCGACTGGTGGCTTACCCCCGGCTGACGGGGCATGAGCCTGCTG 480

Qy 855 CGGTAGAGCTATGGCTCTGGAGGGACTCTCTACACCCCCCTGTG 914

Db 481 CGGTAGAGCTATGGCTCTGGCTCTGGAGGGATGACTCTGCTCTACACCCCCCTGTG 540

Qy 915 GGGGAGACATGTTTACCTGAGGCCCTGACCTACGGCAT 974

Db 541 GGGCAGACATGTTTACCTGAGGCCCTGACCTACGGCAT 600

Qy 975 ACGGTGGGGACTGCAGTGGGGCTGGCCAGCTGCGAGATGCTGTTGGGCTG 1034

Db 601 ACGGTGGGGACTGCAGTGGGGCTGGCCAGCTGCGAGATGCTGTTGGGCTG 660

Qy 1035 GATGACTTGTAGGAGACTCAGGCTGGAGCTGGCTGGGGCTGAGG 1094

Db 721 AGCAACACAGCTCTCCAGGCTATGGGAGATGGAGTTGAGCTGGGGCTGAGG 780

Qy 1155 GCTTCCAGGCATGCGGCTACTGACACATGACACGCTGGAGCCGTGCTCCT 1214

Db 781 GCTTCCAGCTATGAGCTTACACATGACACGCTGGAGCCGTGCTCCT 840

Qy 1215 GGGGGGTGAAATGCGCTTCGGCGTGGCCATGGCTGGAGGGAGCCATG 1274

Db 901 CGCACACACTAGGGGCAACCTGGGGACCCAGAGGCCGAGCTGCTAAGTGCCT 960

Qy 1335 GCGGGCGTGTGGCTCTTGCGAGTGGGCTCTCTTGCGGGCTCTTGCGGGCTGTGGTACTC 1394

Db 961 GCGGGCGTGTGGCTCTTGCGAGTGGGCTCTTGCGGGCTGTGGTACTC 1020

Qy 1395 TTACGGAAATCTCTCTGATGGTGAAGATTCCTCTGGGACTGGGGACTGGGGACTGGGGACT 1454

Db 1021 TTACGGAAATCTCTCTGATGGTGAAGATTCCTCTGGGACTGGGGACT 1080

Qy 1455 ACCTCCCGCCAGCCCTGCTGGCCGCTGGCCACCTACACTCAGAGCTG 1514

Db 1081 ACCTCCCGCCAGCCCTGCTGGCCGCTGGCCACCTACACTCAGAGCTG 1140

Qy 1515 GAGCTGGAGCCAGAGGCCACAGGCCGTTGCGCAAGGCGACCC 1571

Db 1141 GAGCTGGAGCCAGAGGCCACAGGCCGTTGCGCAAGGCGACCC 1197

; RESULT 10  
 ; Sequence 3 ; Application US/0833643A  
 ; Patent No. 5677144  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ulrich, Axel  
 ; ADDRESS: Alves, Frauke  
 ; TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase  
 ; NUMBER OF SEQUENCES: 43  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: U.S.A.  
 ; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent Re-lease #1.0, version #1.30

; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/336,343A





Db	2343	ACATTTCCTAAGGACTTGGAGCCGCATTTGGCAGATTGTCGGTCAATTCCAG	Db	1363	-----	-CCCTTCGCC	1354
Qy	826	GCGCTGACGGGGCATAGTGTCTGCGCGTAGCTATGGCTGGCCTGGAGGG	Qy	1900	CGGGCCCCCACCCGCCTGGCCAAACCCACCAACCCAGGCCATAGCTGGGACT	1959	
Db	2283	TCCCGCACACTCATGATGTTGAGAGCTTACGGGCTGTTGGCTGAG	Db	1353	CAGACTACCCAGGACCCATCCAGGTGATAGAAACTCCAGATTGCTCCAGGGGG	1294	
Qy	886	ATGGACTCTGACTTACACGCCCTGGGGGAGACATGTATTACTGAGG-----	Qy	1960	ATGGACCTGAGAACCCAGGGCCCTCTGGCCACCCACCTCCAGACAGGTC	2019	
Db	2223	ATGCTCTGTTGTTGATGATGTTACATGCTTACCTCCCTGGGGTCA	Db	1293	ASGAGTCAGGCTGCAGGGTGTGAAGCCACTCCAGGCACTGGCCGG	1234	
Qy	940	CCCTGTACTCTAACAGACATCCACCTTACGGACATCCGGACTGCAAGTGGG	Qy	2020	CCGATTATGCCAGGCTGACATGTTACCTCTGGGGCTCACGGGGCAACCTATG	2079	
Db	2163	TCTTTATCTGAAAGATCTGCTAGTGGAGCTGTGATACAGATGACAGAGG	Db	1233	CCCACTATGCCAGGGCTGACATGAACTCCAGGAGTGAAGGAGCAGCT	1174	
Qy	1000	GTTGGCCAGTGGCAGATGGTGTGAGTGTGAGTACAGATGACAGAGG	Qy	2080	CTGGCCCTGACTGCCAGGGCTACGGGCTACGGGAGATGGAGATTC	2136	
Db	2104	--CTAGGCCAATTGACGATGTTGTTGCTGAGGATTCACCCAGCAGA	Db	1173	CAGTGCCTGGCTCACCATGGACCTGCTCAGAAGAATGGCTGCGT	1114	
Qy	1060	TGGGGCTGTGCCAGGCTATGACTTGTGGATGGAGCAACCAACAGCTCCAGG	Qy	2137	CTGATCTGACCCGGCTCAAGGAGAGTGGCGAGGGCCAGTTGGGGGTGAC	2196	
Db	2046	ACCACTGTTGCCCGCTATGACTTGTGGCTGGGAAGGAGATGCCAACATG	Db	1113	CCAGAAACTCCFACTTCAAGAGAGTGGAGAAGATGTCAGTGGGG	1054	
Qy	1120	ATGGGAGATGGATTGAGTGTGAGTTGACGGCTGAGGGCTTCAGGCTATG	Qy	2197	TGTGAGGTGACAGCCCTCAAGATCTGTCAGTCTGCTGTTCCCTTAATG	2256	
Db	1986	ACATTGAGATCAGTGTGAAATTGACGGCATCAGGAATTCTACATGANG	Db	1053	TCTGTGAGGGGGAAATGGAAATTCAGAACAAAGATTGCTGCTGAGT	994	
Qy	1180	GTTACAACTGACACCTGCGAGCCGCTGCTGGGGTGGATGTGCTCGG	Qy	2257	AGGACACCTTGTGAGTGGCTGAAATGTCAGGAGATCAGTGGAGAT--	2316	
Db	1926	GGACACATGTGTTGTAAGGTGTGAGATCTTAAAGGTTACAGTGTCTGC	Db	993	CCACCACTCTGTCCTGGCTGAAATGTCAGGAGCAGTCACAGAATG	935	
Qy	1240	CTGGCCCTGCATGGCTGGGGAGCCATGCCAACCTTGGGGCAACCTG	Qy	2317	GCTCTCTGTCAGGAGTCTGTAAGAGGGGAGATCATGTCAGGCTCA	2376	
Db	1866	CAG--AAGCCAGTGTACTGGGACCTTAATGCTTCCCTTGCTGGAGC	Db	936	-----	-----	
Qy	1300	GGGACCCAGGCCGGCTGGCTTCACTGCTCCCTGGGGGGGGTGTG	Qy	2377	AGGACCCACACATCAGCTGCTGGCTGGGGGGTGTGAGGAGACCTG	2436	
Db	1809	TCAACCCAGTCTCGTGTGTTGACCGGGCTTCACACCGAATGCCAGT	Db	891	AGGACCCAAACATCATCAGCTGCTGGCTGGGGGGTGTGAGGAGAT	832	
Qy	1360	AGTGGCTCTCTTGTGCTGGGGCTGTGTTACTCTTCAGGAAATCTCT	Qy	2437	TRACTGACTACATGGAGACGGGACCTAACAGTGTCTCGAGTGGGG	2496	
Db	1749	AGTGTCAATGCAATTGCAAGTACCTGGATGTTGAGTGTCAAGGAG	Db	831	TACTGATACATGGAGATGGAGATCTCAATGAGTCTTCCGCCACAG	772	
Qy	1420	ATGTGGAACTTCTCTGGACTGGGACACTTCCGCCAGCCCCCTGG	Qy	2497	ACAAGGAGCCAGGGGGCCCTGGGACAGGGCAGGGCCACCATCAG	2556	
Db	1689	ATGCTGCAATGTCACAACTCTGAAGCCCTGCCAACCTCTCTA-----	Db	771	ATCTCTCTCCAGG-----	739	
Qy	1480	CGCCTGGCCACCTCCACCAACCTGAGAGTGTGGAGCTGGAGCC	Qy	2557	ACCAATGCTGTCATGGGGAGCCAGTCGCTCCCGCTGGCATGCCAT	2616	
Db	1644	-----TGGACCCACACCTATGATC-----	Db	738	ACACCAATCTGAGTTATGGCTACCAATGCCCTGTCATGAGATAC	679	
Qy	1540	CGGGCCAAGCCGGGGGGAGCCGACCGCATCTCATGGCTCCCTGG	Qy	2617	TCAACTTGTACATGGGACCTGGCCACGGGACTGCTCTGGGAAATT	2676	
Db	1623	CTATGCTAAAGTGTGACACGCCAACCTCGCATCTGTGATGGCGATCA	Db	678	TGAGTGTGTCACGGAGATCTGGCCACACGAACTGTGTTAGGGTAAGA	619	
Qy	1600	TCCTGCCTCTGTCATCATGGCTCATCTGGCTCTGGCTGACTGGCAGCT	Qy	2677	TCAAATGCGACACTTGGCATGGCGAACCTCTGGGACTTATACG	2736	
Db	1563	TCTTATCTCTCTGGCCATCTGTCATCATCTCTGGAGGCACTCTG	Db	618	TCAAGATAGCTGACTTGTGAGTGGAGGACTCTGAGTGTGACTTAC	559	
Qy	1660	TCAGCAGCTGACGGAGGTGTGAGAGGGAGTGCCTTCTGTCTG	Qy	2737	AGGGCGGGAGTGCCTCCATCCGCCTGGATGCCCTGGAGGATCCTCAT	2796	
Db	1503	TGGAGAGGCTCTGGAGGATGCTGAGTGAATGACAGTCACTTCTG	Db	558	AGGGCGGGAGTGCCTCCATCCGCCTGGATGCCCTGGAGGATCCTCAT	499	
Qy	1720	GGGACACTATCTCATCACACACGCCAGCTCTAGAGGCCACCCGG	Qy	2797	AGGGCGGGAGTGCCTCCATCCGCCTGGATGCCCTGGAGGATCCTCAT	2856	
Db	1443	GTGATCTGAGATGTCACAT-----AACGCTCT	Db	498	AGGGCGGGAGTGCCTCCATCCGCCTGGATGCCCTGGAGGATCCTCAT	439	
Qy	1780	CCGGCCCTGGGAATCCGCCCACTCCGCTCCCTGGCCCATGAGG	Qy	2857	GGAGGGCCASCCCTTGGGAGCTACGGAGGAGGTCAGGAGCTG	2916	
Db	1410	CATCACCTAGTGAACAGGGCCACTCGACTTACATGATGCTCT	Db	438	CTCAAGACACCCATTCCTCCAGCTGTCAGTGAACAGGTTATGAGA	379	
Qy	1840	TGCTCTCAACTCAGGCTACCGCCTCTCGGCCACTTACGCCCTGG	Qy	2917	TCTCGGACAGGGCCAGGGTACTCTGCGCCCTGCGCCAGGGC	2976	
		1899	Db	378	TCTCCGAGACCAAGGGAGGAGCTTACCTCCCTAACAGCCATTTG	319	

QY 2977 TATATGAGCTGATGCTTCGGGAGCTGGAGCTGAGCAGCACCCCTTCCC 3036  
 Db 318 TGTATAAGCTGATGCTCAGCTCTGGAAAGAGATAAGAAGACCGTCCCTATCCAG 259  
 QY 3037 AGCTGATCGGTTCT 3052  
 Db 258 AAATCCACCTCTGCT 243

RESULT 12  
 OS-08-456-647B-19  
 Sequence 19, Application US/08456647B  
 Patent No. 5811516  
 GENERAL INFORMATION:  
 APPLICANT: Lemke, Ph.D. et al., Greg E.  
 TITLE OF INVENTION: PROTEIN-TRYROSINE KINASE GENES  
 NUMBER OF SEQUENCES: 54  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fish & Richardson P.C.  
 STREET: 4225 Executive Square, Suite 1400  
 CITY: La Jolla  
 STATE: CA  
 COUNTRY: US  
 ZIP: 92037

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.2.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US 08/456,647B  
 FILING DATE: 02-JUN-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/237,401  
 FILING DATE: 02-MAY-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/884,486  
 FILING DATE: 15-MAY-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Wetherell, Ph.D., John R.  
 REGISTRATION NUMBER: 31,678.  
 REFERENCE/DOCKET NUMBER: 07251/007002

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619) 678-5070  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3120 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA  
 IMMEDIATE SOURCE:  
 CIRCLE: Tyro-10  
 FEATURE:  
 NAME/KI: CDS  
 LOCATION: 485..3047  
 OS-08-456-647B-19

Query Match 16.1%; Score 639; DB 1; Length 3120;  
 Best Local Similarity 56.5%; Pred. No. 4.5e-142;  
 Matches 1572; Conservative 0; Mismatches 987; Index 210; Gaps 11;

QY 348 CTGGTGCAGCTCTGGGCAAGTGGAGATGCTGACATGAGGACATTTGAGCTG 407  
 Db 509 CTGCTGCTCTCCGCTCTGCTCATCCGGGCTGCAAGAGCTCAGGTAACTCCAGCC 563  
 QY 408 AAGTGGCCGCTATGGCCTGGCATCGAGCCGACATCCAGCAGCAGTCACCTCTGCT 467  
 Db 569 ATATGCCGCTATCCCTCTGGGCATGTCAGGAGGCCACATTCAGATGAGGACATCACAGCC 628

QY 468 TCCAGCTCTGGCTCAGATTCACTGCGCCACAGCAGTTGGAGGAGCTGACGGG 527  
 Db 629 TCAAGTCAGTGGTCAGAATCCACGGCTGCAAATATGGAGGACTCTGAGAAGAGGA 688  
 QY 528 GATGGGGCTGGCCCGCAGGGCTGCTGGTTCAGGA 584  
 Db 689 GATGGAGCCTGGTCCGGAGATTCAGTGCACCCATGACCTGAAGGAATTCTCGAG 748  
 QY 585 GTGGATCACAAGACTCACCCTGGTGTGCTCGTGGCACCAGSAGCGATGGGG 644  
 Db 749 ATGACTTGCGAACCTTACACTTATCCTCTGGGGACCCAGGGCGCATGCGAGG 808  
 QY 645 GGCCTGGCCAAGAGTCTCCGGAGTACCGCTGGTACTCCGGATGTCGCGC 704  
 Db 809 GGCATGGCATGATGAAATTGACCCATGACAATGATCAGTACAGTGGGAGG 868  
 QY 705 TGGATGGCTGGAGGACCGCTGGGGTCAAGGGTGTGGCTCGGCTGCGTCTACCC 824  
 Db 869 TGGATCTCTGGCTAACCGCATGGAGAACGAGGTGCTGATGGAAACAGTACCC 928  
 QY 765 GGATGGCTGAGGACCTGGCCGCCAGGGTGTCCGAGCTATGGCTGCGTCTACCC 988  
 Db 929 GATGATCTCTGAAGGACTGGACCCATGTCGCGAGATTTGGTTCGCTTACCA 988  
 QY 825 CGGCTGACCGGTATGGTCTGCTGCCTGGTAGAGCTATGGCTGCGTCTGGAGG 884  
 Db 989 GRCACGCTACACTCCATGACCTGTGCTGAGGGTGTGAGCTATGGTGTGCGCT 1048  
 QY 940 -CGGTGACCTAACGACTCCACCTATGAGCCACATCCGGGACTGAGCTAGTGG 998  
 Db 1109 ATCATTTATCTGATGATGTTCTATGATGGCTACATGGCTGAGCTTGGTACGG 1168  
 QY 999 GGTCTGGCCAGCTGGAGATGTTGGGGCTGATGACTTGGAGAGTGGAG 1058  
 Db 1169 --CTAGGCACTGTTGACTGATGATGGATATCCTGGCTGGATTTACCCAGCC 1225  
 QY 1059 CTGGGGCTCTGCCAGCTGCTGAGCTGGAGGACACACAGCTTCTCCAGTGG 1118  
 Db 1226 TACCACTGTGGCTCTGGCTACTAGTGGGATGGGGAGAAGTGGTACCAACGG 1285  
 QY 1119 TATGTGGAGAAGGAGCTTGAGTTGACGGCTGAGGCCCTTCAGCTATCCAGGTCAC 1178  
 Db 1286 TGCATGAGCTCATGTTGTAATTGACGAACTCAGGATTTACTACAGAGGGCAC 1345  
 QY 1179 TGTAAACACATGACAGCTGGAGGCCGCTGCCCTGGGGGGTGAATGTCGTCGG 1238  
 Db 1346 TCAACACACTGTTCTAAAGGTGGAAGATTAAAGGGTTCAGTCTACTTCG 1405  
 QY 1239 CGTGGCCTGCATGGCTGGAGGGAACTGGCAACCTAGGGCACCTGG 1298  
 Db 1406 TCGG--AAGCCAGCAGTGGGAAACCACTCTGTTACTTCCCTGGGACGAT 1462  
 QY 1299 GGGACCCCCAGCCGGGGCTCTGTCGTCCTGGGGCTGGTGGTGGCTGGCTTC 1358  
 Db 1463 GTGAACCCAGGCCGGTGTACGGTCCCGCATGGCTGGCTTC 1522  
 QY 1359 CAGTGGCGCTCTCTGGGGCCCTGTTACTCTGGCGAACCTGGGCAACCTGG 1418  
 Db 1523 AAGTGCACAAACCATTTGGCAGCAGCTGGTGTGACATTCAGTCAATCA 1582  
 QY 1419 GATGAGGTGACAACTTCTCGCGCACTGGAGGACACCTGGCCACAGCTGG 1478  
 Db 1583 GATGCTGCTGATACACTCTGGGCTCTCCACCTCTCTA----- 1628  
 QY 1479 CGCCCGGCCACCTCCACAACTCAGGAGCTGGAGCTGGAGCTGGGCCAGAGG 1538  
 Db 1629 -----TGGCACCCACACCTATGAT 1648





OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08-286, 305A  
 FILING DATE: 05-AUG-1994  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 08/170558  
 FILING DATE: 20-DEC-1993  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 08/157563  
 FILING DATE: 23-NOV-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M.  
 REGISTRATION NUMBER: 00.000  
 REFERENCE/DOCKET NUMBER: 854C1P1  
 INFORMATION FOR SEQ ID NO: 4:  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/952-225-1994  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2820 bases  
 STRANDEDNESS: double  
 TYPE: nucleic acid  
 TOPOLOGY: linear  
 US-08-286-305A-4

Query Match  
 Best Local Similarity 4.6%; Score 182.2; DB 1; length 2820;  
 Matches 348; Conservative 0; Mismatches 218; Indels 15; Gaps 2;  
 Query 2322 TCTTGTTCAGGATGATTCTCTGAAAGGGTGAGATCATGTGAGGTCANGGAC 2381  
 Db 1994 TCGAGAGCAGCCATTCCAGCTCTGGAGAACCTTGAGAG 2915  
 Db 2831 TGCAGGGCAGCCATTCCAGCTCTGGAGAACCTTGAGAG 2890  
 Query 2916 TTCTTCGGACAGGGCCGGGGGGTACCTCTGGCCGGCTCTGGAGAACCTTGAGAG 2975  
 Db 2891 TTCTTCGGACAGGGCCGGGGGGTACCTCTGGCCGGCTCTGGAGAACCTTGAGAG 2950  
 Query 2976 CTTATAGCTATGCTTCGGGCTGAGGGAGGAGGACCTTTC 3035  
 Db 2951 GCTATATAGCTGCTCAGCTGCTGGAGAGAGAACCTTC 3010  
 Query 3036 CAGCTGATCCTTCGGCAGGGATGACTCAGCGGTGAATCA 3084  
 Db 3011 GAATACACCTCTGGCTCTCAGCAAGGAGCCGGTGTGATCATCA 3059  
 Result 14  
 US-08-286-305A-4  
 Sequence 4, Application US/08286305A  
 Patent No. 576863  
 GENERAL INFORMATION:  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Mark, Melanie R.  
 APPLICANT: Sadick, Michael D.  
 APPLICANT: Shelton, David L.  
 APPLICANT: Wong, Wai Lee Tan  
 TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
 NUMBER OF SEQUENCES: 11  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible

RESULT 15  
 US-08-441-104A-4  
 ; Sequence 4, Application US/08441104A  
 ; Patent No. 5891650  
 GENERAL INFORMATION:  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Mark, Melanie R.  
 APPLICANT: Sadick, Michael D.  
 APPLICANT: Shelton, David L.  
 APPLICANT: Wong, Wai Lee Tan  
 TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
 NUMBER OF SEQUENCES: 11  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/441,104A  
 FILING DATE: 15-MAY-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/2866305  
 FILING DATE: 05-AUG-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/170558  
 FILING DATE: 20-DEC-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/157563  
 FILING DATE: 23-NOV-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M.  
 REGISTRATION NUMBER: 00.000  
 REFERENCE/DOCKET NUMBER: 854C1P1C2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 910/71-7168  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2820 bases  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 ; US-08-441-104A-4

Query Match 4-6%; Score 182.2; DB 2; Length 2820;  
 Best Local Similarity 59.9%; Pred. No. 7.9e-34; Length 2820;  
 Matches 348; Conservative 0; Mismatches 218; Indels 15; Gaps 2;

QY 2322 TCCATGTTCTCCAGAAATGATTCTGAAGAGCTGAGATCATGTCAGGCTCTAGGAC 2381  
 Db 1994 TCCGAGAGTCTCCAGGACTTCACCGTGGCTGAGCTGTCACCTGTCAGCTGAGCAC 2053  
 QY 2382 CCCACACATCATTGGCTGGGGTGTGTGAGGAGACCCCTCTGATGATCT 2441  
 Db 2054 CAGCACATCGTGCCTCTCGGGCTGCCAGGGCGCCCTGCTCATGCTT 2113  
 QY 2442 GACRACATGGAGAAGGCCACCTAACCGAGTTCCAGTGCGACCTGAGACAAG 2501  
 Db 2114 GAGCATATGGCGCACGGGACCTAACCGCTCTCCCGATCCATGGACTGACCA- 2172  
 QY 2502 GCAGCCGGGGCCCTGGGAGGGCGGCTCGCGAGGGGCCACCATCAGTACCA 2561

Db 2173 ----- GCTGCTGCTGTGGGGAGATGTTGCTCCAGGCCCTGGCTGGGG 2221  
 QY 2562 ATGCTGCTGCATGTGCGAGCCAGATGCCATGCTCCGCCATGCGCTATCTGGCCACACTCAC 2621  
 Db 2222 CAGCTGCTGGCGTGGCTAGCAGGTOGCTGCGGGATGTTGACTCTGGGGGCTGCA 2281  
 QY 2622 TTGTCATCGGACCTGGCCACGGGAGACTGCTCTAGTGGAAATTTCACCATCAA 2681  
 Db 2282 TTGTCACCGGGACTGGCCACAGCACTGTCAGTGGCCAGGACTGGTGTCAAG 2341  
 QY 2682 ATCCGAGACTGGCAGAGCCCTATGCTGGGACTATCTGGGACTATACGGTGTGAGGSC 2741  
 Db 2342 ATTGGTGTATTGGCATGGAGGATATCTACGGCACCCTATACGGTGTGGAGGC 2401  
 QY 2742 CGGGAGTGCCTGGCATCCCTGGATGGCTGGGCTGGTGTCTCATGGGAAGTTCAGQ 2801  
 Db 2402 CGCACCATGCTGCCATTCTGGTGTGGGGAGAGATCCCTGACCTTACGGTGTGGAGGC 2461  
 QY 2802 ACTGGAGTACGAGTGGGCTTGTGTGACCCCTGGGAGGGCTGTGAGTCAGTGG 2861  
 Db 2462 ACCGAGGAGCAGTGGAGCTGGGAGCTGGGAGGTGGAGATCTCAGCTGGAG 2521  
 QY 2862 GCCCGCCCTTGGCAGGTCACCGAGGAGCAGCAGTCATGAG 2902  
 Db 2522 --CAGCCCTGGTACCGAGCTCTCCACAGGGAGGAATGGA 2559

Search completed: December 8, 2001, 21:00:30  
 Job time: 4924 sec

